

AVON, OH 44011  
TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Quick Set Epoxy Gel  
Item number: Resin (A) Part of kit: 01-32427  
Product Type: Epoxy resin

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	Exposure Limits
Epoxy resin		40-100	Not established.
Epoxy resin		40-100	Not established.
Modified silicon dioxide	67762-90-7	1-5	TWA: 10 mg/m3 ACGIH total TWA: 3 mg/m3 ACGIH respirable TWA: 6 ppm Supplier total TWA: 15 mg/m3 OSHA total TWA: 5 mg/m3 OSHA respirable

## 3. HAZARDS IDENTIFICATION

## \*\*\*\*EMERGENCY OVERVIEW\*\*\*\*

PHYSICAL STATE:Liquid. COLOR:Clear.

WARNING! MAY CAUSE ALLERGIC SKIN REACTION.  
MAY BE HARMFUL IF SWALLOWED.  
MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION.

## Potential Health Effects

## Eye:

Moderate eye irritation. Redness. Excess tearing.

## Skin:

Allergic skin reaction. Itching. Rash. Moderate skin irritation.  
Redness.

## Ingestion:

May be harmful if swallowed.

## Inhalation:

Moderate respiratory tract irritation. Shortness of breath. Coughing.

## Conditions Aggravated by Exposure:

Respiratory disorders. Skin disorders. Eye disorders.

## Chronic:

Detailed information provided in section 11.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Resin (A) 01-32427

4. FIRST AID MEASURES

Eye:

Immediately flush eyes with plenty of water for at least 15 minutes.  
Get medical attention.

Skin:

Immediately flush skin with plenty of water (using soap, if available)  
for at least 15 minutes. Remove contaminated clothing and shoes. Wash  
clothing before reuse. Thoroughly clean shoes before reuse. Get  
medical attention if symptoms occur.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel.  
Never give anything by mouth to an unconscious person. Get medical  
attention.

Inhalation:

Remove to fresh air. If symptoms develop and persist, get medical  
attention.

Note to Physician:

None.

5. FIRE FIGHTING MEASURES

Flash Point:

CLOSED CUP : 478.F (248.C).

Extinguishing Media:

In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

Flammable Limits:

Not available.

Special Fire Fighting Procedures:

Fire fighters should wear positive pressure self-contained breathing  
apparatus (SCBA) and full turnout gear.

Hazardous Combustion Products:

Oxides of carbon. Hydrocarbons. Aldehydes. Ketones. Irritating  
organic fragments. Acids. Phenolics.

Unusual Fire or Explosion Hazards:

None.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak:

Soak up with inert absorbent. Store in closed container until  
disposal.

7. HANDLING AND STORAGE

Handling:

Do not swallow. Avoid contact with eyes. Avoid breathing vapor or  
mist. Avoid contact with skin and clothing. Wash thoroughly after  
handling.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Resin (A) 01-32427

## Storage:

Keep container tightly closed. Keep in a cool and well-ventilated area.

For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Engineering Controls:

Use local exhaust ventilation if the potential for airborne exposure exists.

## Eye/Face Protection:

Chemical splash goggles or safety glasses with side shields.

## Skin Protection:

Use chemical resistant, impermeable gloves.

## Respiratory Protection:

Use NIOSH approved respirator if there is potential to exceed any exposure limit(s).

See Section 2 COMPOSITION/INFORMATION ON INGREDIENTS for exposure limits

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Clear.  
Material State: Liquid.  
Odor: Not available.  
Boiling point: 500.F (260.C)  
pH: Not applicable.  
Solubility in Water: Not available.  
Specific gravity: 1.1908  
VOC: 0 g/l (0%)  
Vapor Pressure: Not available.  
Vapor density: >1 (Air = 1)  
Evaporation Rate: <1 compared to Butyl acetate.

## 10. STABILITY AND REACTIVITY

## Stability:

Stable.

## Conditions to Avoid:

None known

## Incompatibility:

Oxidizing agents, Reducing agents, Acids, Alkalies. Reaction with amines and mercaptans in large amounts or under uncontrolled conditions releases considerable heat and may release acrid fumes.

## Hazardous Polymerization:

Will not occur.

## Hazardous Decomposition Products:

None known

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Resin (A) 01-32427

## 11. TOXICOLOGY INFORMATION

Product Toxicology Data:  
Not available.

Ingredient	NTP	Carcinogen IARC	OSHA
Epoxy resin	No	No	No
Epoxy resin	No	No	No
Modified silicon dioxide	No	No	No

Key to abbreviations:  
Not applicable.

Ingredient	Health Effects/Target organs
Epoxy resin	Allergen. Irritant.
Epoxy resin	Allergen. Irritant.
Modified silicon dioxide	No target organs.

## 12. ECOLOGICAL INFORMATION

Ecological Information:  
None known

## 13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:  
Dispose according to EPA and local governmental regulations.  
EPA Hazardous Waste Number:  
Material as supplied is non-hazardous under RCRA (U.S. Federal)  
regulations.

## 14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

Shipping Description:  
Not regulated.  
Exceptions:  
Not applicable.

International Air Transportation (ICAO/IATA)-  
Shipping description:  
Not regulated.  
Exceptions:  
Not applicable.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Resin (A) 01-32427

Marine pollutant:  
None known

## 15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:  
None.

SARA Title III Section 311/312:  
Immediate health hazard, Delayed health hazard

Toxic Substances Control Act:  
All components are listed on or are exempt from listing on the Toxic  
Substances Control Act Inventory.

TSCA Section 12(b) annual:  
None.

TSCA Section 12(b) one time:  
None.

Canadian Inventory Status:  
All components are listed on or are exempt from listing on the Canadian  
Domestic Substances List.

California Proposition 65:  
This product contains chemicals known to the state of California to  
cause cancer, birth defects, or other reproductive harm. (Phenyl  
glycidyl ether, Toluene).

## 16. OTHER INFORMATION

NFPA Code:  
Health: 1  
Flammability: 1  
Reactivity: 1  
Special: None

HMIS Code:  
Health: 1           \*  
Flammability: 1  
Reactivity: 1  
Protective Equipment: See Section 8.

Prepared by:  
Company: Safety, Health and Regulatory Affairs - North America,  
Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067  
(24hr.) Phone: (860) 571-5100

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## MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Quick Set Epoxy Gel  
Item number: Hardener (B) Part of kit: 01-32427  
Product Type: Epoxy hardener

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	Exposure Limits
Polymercaptan hardener		60-100	Not established.
Substituted aminophenol	90-72-2	5-10	Not established.
Modified silicon dioxide	67762-90-7	1-5	TWA: 10 mg/m3 ACGIH total TWA: 3 mg/m3 ACGIH respirable TWA: 6 ppm Supplier total TWA: 15 mg/m3 OSHA total TWA: 5 mg/m3 OSHA respirable

## 3. HAZARDS IDENTIFICATION

## \*\*\*\*EMERGENCY OVERVIEW\*\*\*\*

PHYSICAL STATE:Liquid. COLOR:Amber. ODOR: Moderate.

DANGER! CAUSES EYE BURNS.  
HARMFUL IF ABSORBED THROUGH SKIN.  
CAUSES SEVERE SKIN IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
CAUSES RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

## Potential Health Effects

## Eye:

Causes eye burns. Blurred vision. Excess tearing. Pain and discomfort. Tissue damage.

## Skin:

Harmful if absorbed through the skin. Allergic skin reaction. Itching. Rash. Severe skin irritation. Pain and discomfort. Swelling. Redness. Prolonged contact may cause chemical burns.

## Ingestion:

May be harmful if swallowed.

## Inhalation:

Severe respiratory tract irritation. Shortness of breath. Coughing.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Hardener (B) 01-32427

Conditions Aggravated by Exposure:

Respiratory disorders. Skin disorders. Eye disorders.

Chronic:

Detailed information provided in section 11.

4. FIRST AID MEASURES

Eye:

Immediately flush eyes with plenty of water for at least 15 minutes.  
Get medical attention.

Skin:

Immediately flush skin with plenty of water (using soap, if available)  
for at least 15 minutes while removing contaminated clothing and shoes.  
Immediately flush skin with plenty of water (using soap, if available).  
Remove contaminated clothing and shoes. Wash clothing before reuse.  
Thoroughly clean shoes before reuse. Get medical attention  
immediately.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel.  
Never give anything by mouth to an unconscious person. Get medical  
attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen. Get medical attention.

Note to Physician:

None.

5. FIRE FIGHTING MEASURES

Flash Point:

CLOSED CUP : 250.F (121.C). Tagliabue.

In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

Extinguishing Media:

Flammable Limits:

Not available.

Special Fire Fighting Procedures:

Fire fighters should wear positive pressure self-contained breathing  
apparatus (SCBA) and full turnout gear.

Hazardous Combustion Products:

Oxides of nitrogen. Oxides of sulfur. Ammonia.

Unusual Fire or Explosion Hazards:

Avoid the use of a stream of water to control fires since frothing may  
occur. Closed containers may rupture (due to build up of pressure)  
when exposed to extreme heat. Use water spray cautiously to keep  
fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak:

Soak up with inert absorbent. Store in closed container until  
disposal.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Hardener (B) 01-32427

## 7. HANDLING AND STORAGE

## Handling:

Do not swallow. Do not get on skin. Avoid contact with eyes, skin, and clothing. Do not breathe vapor or mist. Do not get in eyes. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

## Storage:

Keep container tightly closed. Keep in a cool and well-ventilated area.

For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Engineering Controls:

Use local exhaust ventilation if the potential for airborne exposure exists.

## Eye/Face Protection:

Chemical splash goggles or safety glasses with side shields. Full face shield should be used if the potential exists for splashing or spraying of product.

## Skin Protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Butyl gloves. Neoprene gloves. Nitrile gloves.

## Respiratory Protection:

Use NIOSH approved respirator if there is potential to exceed any exposure limit(s).

See Section 2 COMPOSITION/INFORMATION ON INGREDIENTS for exposure limits

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Amber.  
Material State: Liquid.  
Odor: Moderate.  
Boiling point: 388.F (198.C)  
pH: Not applicable.  
Solubility in Water: Slightly soluble  
Specific gravity: 1.1822  
VOC: 3 g/l (0.3%)  
Vapor Pressure: Not available.  
Vapor density: >1 (Air = 1)  
Evaporation Rate: <1 compared to Butyl acetate.

## 10. STABILITY AND REACTIVITY

## Stability:

Stable.



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Product Name:

Loctite Quick Set Epoxy Gel

Item No.:

Hardener (B) 01-32427

Conditions to Avoid:

None known

Incompatibility:

Oxidizing agents, Alkalies. Chlorinated rubber. Reaction with epoxy resins and isocyanates in large amounts or under uncontrolled conditions releases considerable heat and may release acrid fumes.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

None known

## 11. TOXICOLOGY INFORMATION

Product Toxicology Data:

Not available.

Ingredient	NTP	Carcinogen	
		IARC	OSHA
Polymercaptan hardener	No	No	No
Substituted aminophenol	No	No	No
Modified silicon dioxide	No	No	No

Key to abbreviations:

Not applicable.

Ingredient	Health Effects/Target organs
Polymercaptan hardener	Not available.
Substituted aminophenol	Irritant. Allergen.
Modified silicon dioxide	No target organs.

## 12. ECOLOGICAL INFORMATION

Ecological Information:

None known

## 13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:

Dispose according to EPA and local governmental regulations.

EPA Hazardous Waste Number:

Material as supplied is non-hazardous under RCRA (U.S. Federal) regulations.

## 14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

Shipping Description:

Not regulated.

Exceptions:

Not applicable.

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Product Name: Loctite Quick Set Epoxy Gel  
Item No.: Hardener (B) 01-32427

International Air Transportation (ICAO/IATA)-  
Shipping description:  
Not regulated.

Exceptions:  
Not applicable.

Marine pollutant:  
None known

15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:  
None.

SARA Title III Section 311/312:  
Immediate health hazard, Delayed health hazard

Toxic Substances Control Act:  
All components are listed on or are exempt from listing on the Toxic  
Substances Control Act Inventory.

TSCA Section 12(b) annual:  
None.

TSCA Section 12(b) one time:  
None.

Canadian Inventory Status:  
All components are listed on or are exempt from listing on the Canadian  
Domestic Substances List.

California Proposition 65:  
No California Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

NFPA Code:

Health: 3  
Flammability: 1  
Reactivity: 0  
Special: None

HMIS Code:

Health: 3 \*  
Flammability: 1  
Reactivity: 0

Protective Equipment: See Section 8.

Prepared by:

Company: Safety, Health and Regulatory Affairs - North America,  
Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067

(24hr.) Phone: (860) 571-5100